



Region 2
Emergency and Remedial Response Division
Special Projects Branch

Agenda

- **PFAS History**
- **2017 & 2018 sampling results and figure for Phase 1 Sampling of PFAS**
- **Figure of Proposed Phase II Sampling for PFAS**
- **Community and Regulatory Outreach**
- **Next Steps**

PFAS History

Based upon recently found documents and employee recollections the following areas are where AFFF is believed to have been released to the environment, these areas were included in the Phase I Workplan:

- **Foam testing areas including Building 924 and the former 80-Inch Bubble Chamber experimental area;**
- **Major Petroleum Facility**
- **Former and Current Fire Stations**

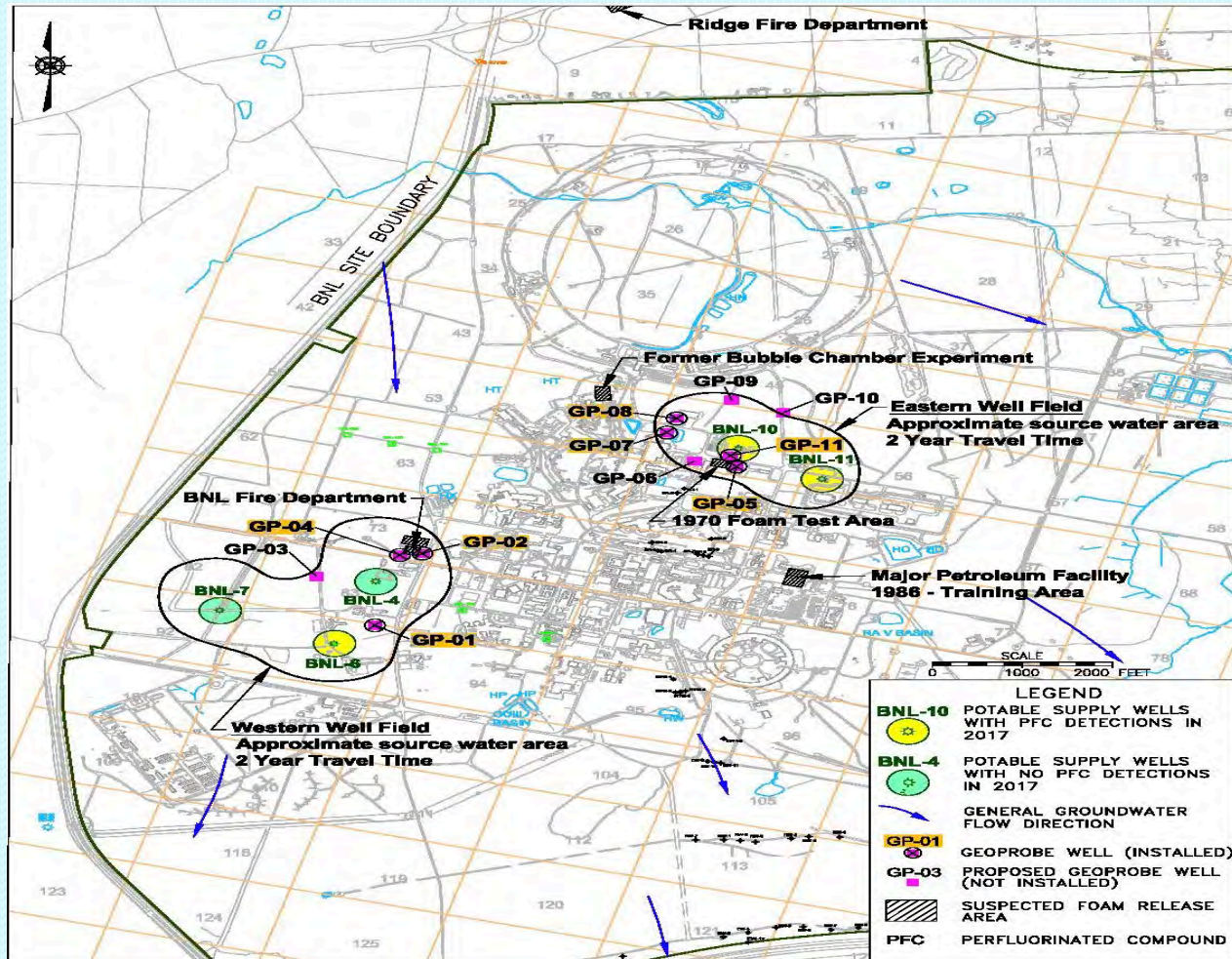
2017/2018 PFAS Sampling Results

- **BNL has 5 potable supply wells (4,6,7,10 & 11)**
- **During 2017, PFAS were detected in samples collected by the Suffolk County Department of Health Services from BNL potable supply wells 6, 10 and 11. None of the samples were above EPA's Health Advisory Levels (HALs)**
- **Similar PFAS concentrations were detected in potable well samples collected by BNL in January 2018, except that trace levels of PFAS were also detected in supply wells 4 and 7.**
- **The maximum combined concentrations of the compounds PFOS and PFOA found, was 24.86 ng/L in a January 2018 sample from supply well 10.**

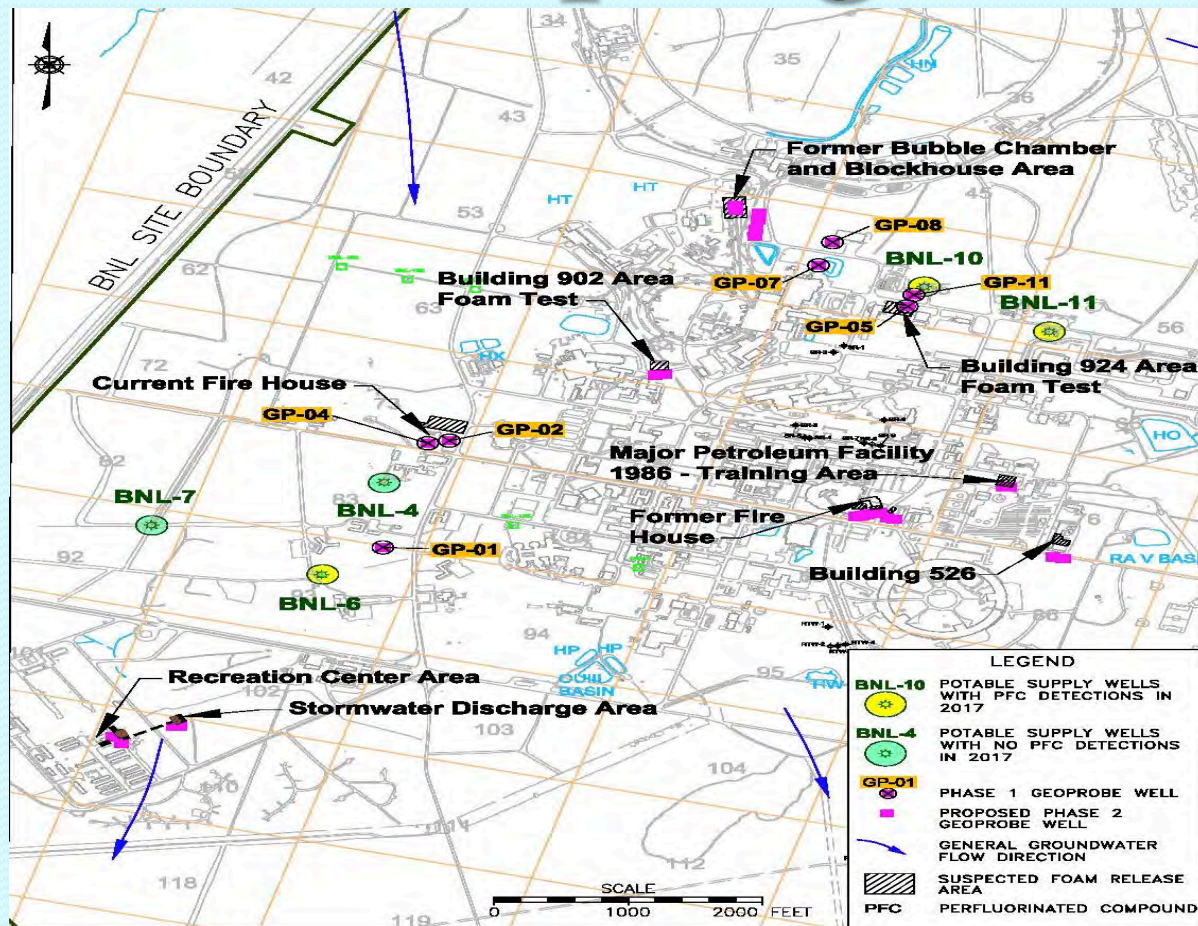
2017/2018 PFAS Sampling Results (cont'd)

- **In May, 2018 BNL performed additional investigation and sampling of PFAS.**
- **A total of 48 samples were taken.**
- **9 of the samples had exceedances of HALs, the highest being 3,124 ppt.**
- **36 of the samples were below HALs.**
- **3 of the samples were non-detect.**
- **The highest PFAS numbers were found at or downgradient of BNL's fire station.**
- **BNL resampled of all of the potable wells in June, 2018. Results have not come back yet but are expected by the end of July, 2018.**

PFAS Sampling Phase I



Proposed Phase II PFAS Sampling



Next Steps

- **BNL is submitting a Phase II workplan to EPA and NYSDEC in mid-July 2018 and after regulatory review would like to start sampling in first week of August, 2018.**
- **BNL will report results of re-sampling of potable wells taken in June, 2018 by the end of July, 2018**
- **BNL will update the Community Advisory Council at the next meeting in September, 2018.**
- **DOE will update the Brookhaven Executive Roundtable in the Fall, 2018.**



Questions/Comments?